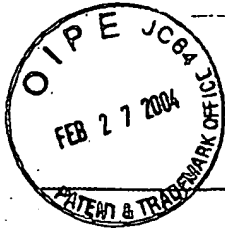


FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
A123 CONSERIAL NO.
10/618,299INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
James G. Barsoum et
al.CONFIRMATION NO.
6907

FILING DATE 07/11/03

GROUP ~~4653~~ 1633

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RUK	3,710,795	01/16/73	Higuchi et al.	128	260	
↓	4,797,368	01/10/89	Carter et al.	435	320	
	5,262,564	11/16/93	Kun et al.	562	430	
RUK	5,399,346	03/21/95	Anderson et al.	424	93.21	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
RUK	WO 99/10516	03/04/99	PCT (WIPO)	C12N	15/86		
RUK	WO 01/60377	08/23/01	PCT (WIPO)	A61K	31/66		

EXAMINER

John A. Kelly

DATE CONSIDERED

7/11/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM FIO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
A123 CON

SERIAL NO.
10/618,299

FORM T-10-1449

O I P E J C 6 4 J 2 0 0 4

FEB 27 2004

PATENT & TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT
James G. Barsoum et
al.

CONFIRMATION NO.
6907

FILING DATE 07/11/03

GROUP ~~1653~~ 1633

EXAMINER
INITIAL

R. Alemany, et al., "Blood Clearance Rates of Adenovirus Type 5 in Mice," *Journal of General Virology*, 81(11):2605-9 (2000).

D. Armentano et al., "Effect of the E4 Region on the Persistence of Transgene Expression from Adenovirus Vectors," *Journal of Virology*, 71(3):2408-16 (1997).

N. B. Beck, et al., "Baculovirus Vectors Repress Phenobarbital-Mediated Gene Induction and Stimulate Cytokine Expression in Primary Cultures of Rat Hepatocytes," *Gene Therapy*, 7(15):1274-83 (2000).

C. A. Bradham, et al., "Activation of Nuclear Factor-KappaB During Orthotopic Liver Transplantation in Rats is Protective and Does Not Require Kupffer Cells," *Liver Transplantation and Surgery*, 5(4):282-93 (1999).

H. Chao, et al., "Several Log Increase in Therapeutic Transgene Delivery by Distinct Adeno-Associated Viral Serotype Vectors," *Molecular Therapy*, 2(6):619-623 (2000).

H. Chen, et al. "Persistence in Muscle of an Adenoviral Vector that Lacks All Viral Genes," *Proceedings of the National Academy of Sciences U.S.A.*, 94:1645-1650 (1997).

T. Daemen, et al., "Liposomal Doxorubicin-Induced Toxicity: Depletion and Impairment of Phagocytic Activity of Liver Macrophages," *International Journal of Cancer*, 61(5):716-721 (1995).

H. J. Delecluse, et al., "The Genetic Approach to the Epstein-Barr Virus: From Basic Virology to Gene Therapy," *Molecular Pathology*, 53(5):270-9 (2000).

O. Devergne, et al., "In Vivo Expression of IL-1 Beta and IL-6 Genes During Viral Infections in Human," *European Cytokine Network*, 2(3):183-94 (1991).

K. E. Drazan, et al., "Viral IL-10 Gene Therapy Inhibits TNF-Alpha and IL-1 Beta, Not IL-6, in the Newborn Endotoxemic Mouse," *Journal of Pediatric Surgery*, 31(3):411-4, (1996).

J. F. Engelhardt, et al., "Prolonged Transgene Expression in Cotton Rat Lung with Recombinant Adenoviruses Defective in E2a," *Human Gene Therapy*, 5 (10):1217-29 (1994).


J. L. Goldstein, et al., "Defective Lipoprotein Receptors and Atherosclerosis. Lessons From an Animal Counterpart of Familial Hypercholesterolemia," *New England Journal of Medicine*, 309(5):288-96 (1983).

EXAMINER

DATE CONSIDERED

CONSIDERED 7/11/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

	FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. A123 CON	SERIAL NO. 10/618,299
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT James G. Barsoum et al.	CONFIRMATION NO. 6907
			FILING DATE 07/11/03	GROUP 1633 1633

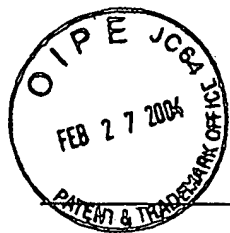
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
RUK	S. Hegenbarth, et al., "Liver Sinusoidal Endothelial Cells Are Not Permissive for Adenovirus Type 5," <i>Human Gene Therapy</i> , 11(3):481-6 (2000).
	W. S. Hu, et al., "Design of Retroviral Vectors and Helper Cells for Gene Therapy," <i>Pharmacological Reviews</i> , 52(4):493-511 (2000).
	S. Ishibashi, et al., "Hypercholesterolemia in Low Density Lipoprotein Receptor Knockout Mice and Its Reversal by Adenovirus-Mediated Gene Delivery," <i>Journal of Clinical Investigation</i> , 92(2):883-93 (1993).
	S. Ishibashi, et al., "Massive Xanthomatosis and Atherosclerosis in Cholesterol-Fed Low Density Lipoprotein Receptor-Negative Mice," <i>Journal of Clinical Investigation</i> , 93(5):1885-93 (1994).
	K. Jooss, et al., "Cyclophosphamide Diminishes Inflammation and Prolongs Transgene Expression Following Delivery of Adenoviral Vectors to Mouse Liver and Lung," <i>Human Gene Therapy</i> , 7(13):1555-66 (1996).
	K. Jooss, et al., "Blunting of Immune Responses to Adenoviral Vectors in Mouse Liver and Lung with CTLA4Ig," <i>Gene Therapy</i> , 5(3): 309-319 (1998).
	M. A. Kay, et al., "Transient Immunomodulation with anti-CD40 Ligand Antibody and CTLA4Ig Enhances Persistence and Secondary Adenovirus-Mediated Gene Transfer into Mouse Liver," <i>Proceedings of the National Academy of Sciences U. S. A.</i> , 94: 4686-4691 (1997).
	M. A. Kay, et al., "Viral Vectors for Gene Therapy: The Art of Turning Infectious Agents Into Vehicles of Therapeutics," <i>Nature Medicine</i> , 7(1):33-40 (2001).
V	N. Kuriyama, et al., "Pretreatment with Protease is a Useful Experimental Strategy for Enhancing Adenovirus-Mediated Cancer Gene Therapy," <i>Human Gene Therapy</i> , 11(16):2219-30 (2000).
RUK	A. Lieber, et al., "The Role of Kupffer Cell Activation and Viral Gene Expression in Early Liver Toxicity after Infusion of Recombinant Adenovirus Vectors," <i>Journal of Virology</i> , 71(11):8798-8807 (1997).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANTATTY. DOCKET NO.
A123 CONSERIAL NO.
10/618,299APPLICANT
James G. Barsoum et
al.CONFIRMATION NO.
6907

FILING DATE 07/11/03

GROUP ~~4653~~ 1633

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
RUK	A. Lieber, et al., "Inhibition of NF-KappaB Activation in Combination with Bcl-2 Expression Allows for Persistence of First-Generation Adenovirus Vectors in the Mouse Liver," <i>Journal of Virology</i> , 72 (11):9267-77 (1998).
	S. Longman, et al., "Accumulation of Protein-Coated Liposomes in an Extravascular Site: Influence of Increasing Carrier Circulation Lifetimes," <i>Journal of Pharmacology and Experimental Therapeutics</i> , 275(3):1177-1184 (1995).
	N. Morral, et al., "High Doses of a Helper-Dependent Adenoviral Vector Yield Supraphysiological Levels of Alpha1-Antitrypsin with Negligible Toxicity," <i>Human Gene Therapy</i> , 9(18):2709-16 (1998).
	X. Q. Qin, et al. "Interferon- β Gene Therapy Inhibits Tumor Formation and Causes Regression of Established Tumors in Immune-Deficient Mice," <i>Proceedings of the National Academy of Sciences U. S. A.</i> , 95:14411-14416 (1998).
	M. J. Parr, et al., "The Presence of G _{M1} in Liposomes with Entrapped Doxorubicin Does Not Prevent RES Blockade," <i>Biochimica et Biophysica Acta</i> , 1168(2):249-252 (1993).
	G. Schieder, et al., "Genomic DNA Transfer with a High-Capacity Adenovirus Vector Results in Improved <i>In Vivo</i> Gene Expression and Decreased Toxicity," <i>Nature Genetics</i> , 18(2):180-3 (1998).
	W. M. Siders, et al., "T Cell- and NK Cell-Independent Inhibition of Hepatic Metastases by Systemic Administration of an IL-12-Expressing Recombinant Adenovirus," <i>The Journal of Immunology</i> , 160:5465-5474 (1998).
	N. Somia and I. M. Verma, "Gene Therapy: Trials and Tribulations," <i>Nature Reviews Genetics</i> , 1(2):91-9 (2000).
	K. Tanzawa, et al., "WHHL-Rabbit: A Low Density Lipoprotein Receptor-Deficient Animal Model For Familial Hypercholesterolemia," <i>FEBS Letters</i> , 118(1):81-4 (1980).
V	N. Tao, et al., "Sequestration of Adenoviral Vector by Kupffer Cells Leads to a Nonlinear Dose Response of Transduction in Liver," <i>Molecular Therapy: The Journal of the American Society of Gene Therapy</i> , 3(1):28-35 (2001).
RUK	W. M. Tsui, et al., "Liver Changes in Reactive Haemophagocytic Syndrome," <i>Liver</i> , 12(6):363-7 (1992).

EXAMINER

DATE CONSIDERED

7/11/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 5 of 5

[illegible]

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.